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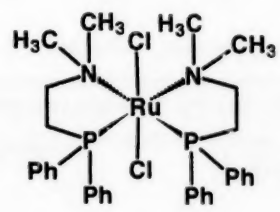
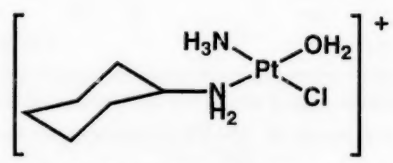
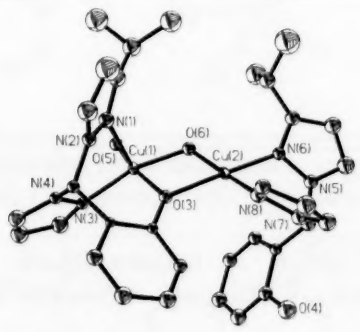
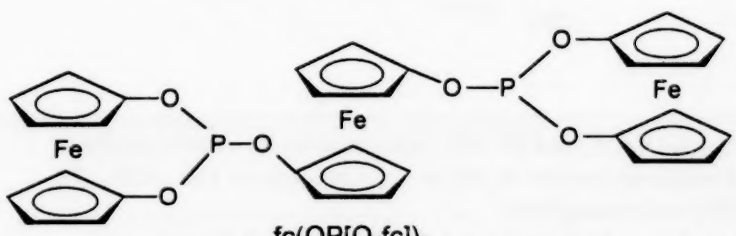
Chelate ring-opening ruthenium complexes: X-ray crystal structure and solution studies of *cis*, *trans*-bis(2-dimethyl-amino-ethyl)diphenyl-phosphino(dichloro)ruthenium(II) ..... 1 Z. Guo, A. Habtemariam, P.J. Sadler, B.R. James	
pK_a values of aqua ligands of platinum(II) anticancer complexes: [^{1}H, ^{15}N] and ^{195}Pt NMR studies of *cis*- and *trans*-[$PtCl_2(NH_3)$-(cyclohexylamine)] ..... 8 S.J. Barton, K.J. Barnham, A. Habtemariam, R.E. Sue, P.J. Sadler	 Anticancer complex
A new class of biomimetically relevant 'Scorpionate' ligands III. The bis(pyrazolyl)methane(phen-2′-ol)s: synthesis and structural characterization of mono and dinuclear copper(II) complexes ..... 14 T.C. Higgs, D. Ji, R.S. Czernuscewicz, C.J. Carrano	
Oligonuclear ferrocenolato and 1,1′-ferrocenediolato derivatives of phosphorus: synthesis, structure and electrochemical behaviour .... 24 M. Herberhold, A. Hofmann, W. Milius, F. Fabrizi de Biani, P. Zanello	 $fc(OP[O_2fc])_2$ (fc = 1,1'-ferrocenediyl, $Fe(\eta^5\text{-}C_5H_4\text{-})_2$)

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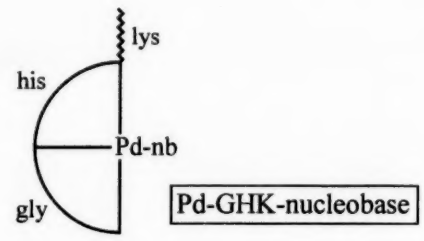
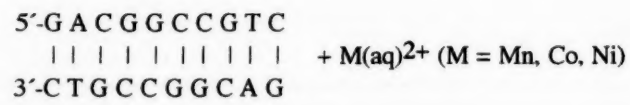
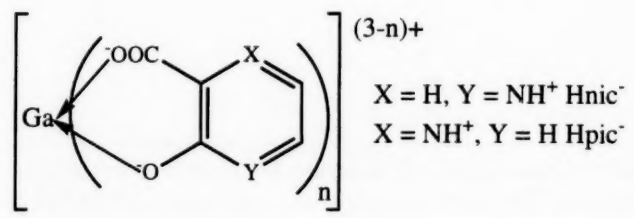
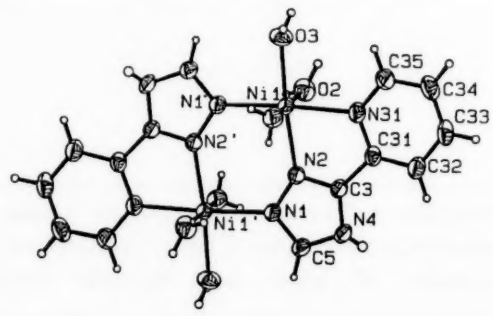
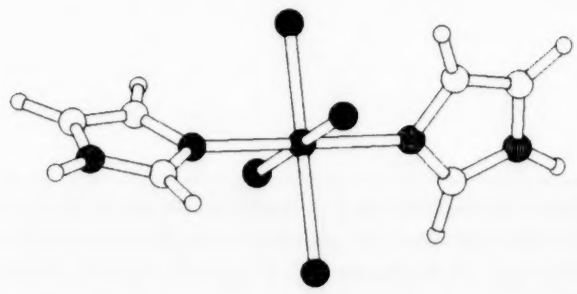
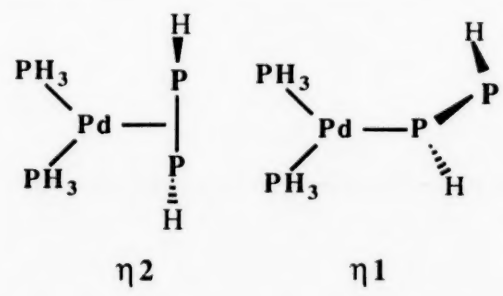
Pd(gly-L-his-L-lys)Cl: solution structure and ternary complex formation with mono- and tetranucleotides ..... 31 I. Rombeck, B. Lippert	
Interaction of manganese(II), cobalt(II) and nickel(II) with DNA oligomers studied by ^{1}H NMR spectroscopy..... 41 E. Moldrheim, B. Andersen, N.Å. Frøystein, E. Sletten	
Complexation of gallium(III) by 2-hydroxynicotinic acid and 3-hydroxypicolinic acid in aqueous solution ..... 47 A.K.W. Stephens, C. Orvig	
Synthesis, crystal structure and magnetic properties of bis[μ-bis(3-(pyridin-2-yl)-1,2,4-triazole-*N*′,*N*1,*N*2)] bis[triaqua nickel(II)] tetranitrate ..... 54 P.J. van Koningsbruggen, M.W. Gluth, V. Ksenofontov, D. Walcher, D. Schollmeyer, G. Levchenko, P. Gütlich	
Rhodium(III) analogues of antitumour-active ruthenium(III) compounds: the crystal structure of [ImH][*trans*-$RhCl_4(Im)_2$] (Im = imidazole) ..... 62 G. Mestroni, E. Alessio, A. Sessanta o Santi, S. Geremia, A. Bergamo, G. Sava, A. Boccarelli, A. Schettino, M. Coluccia	
Comparative DFT and HF-MP2 study on structure, relative stabilities and rotational barriers of end-on (η^1) and side-on (η^2) $(PH_3)_2$Pd HPPH model complexes..... 72 N. Russo, M. Toscano, A.L. Rizopoulos, M.P. Sigalas	

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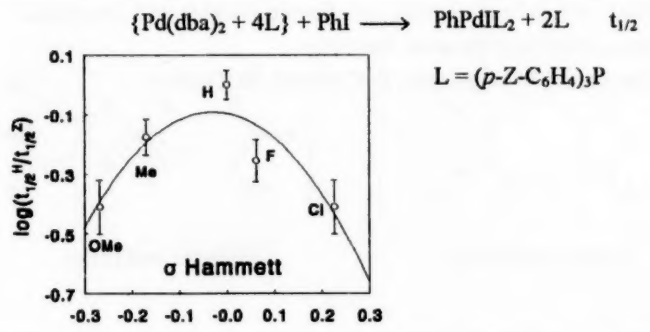

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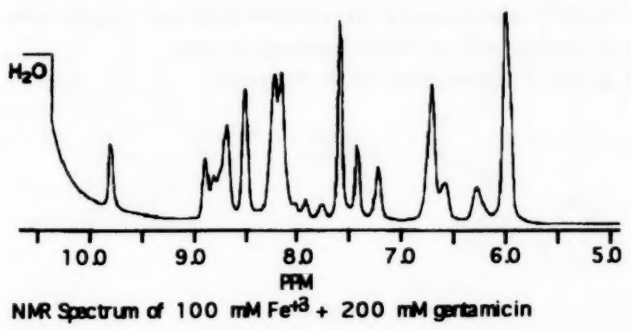

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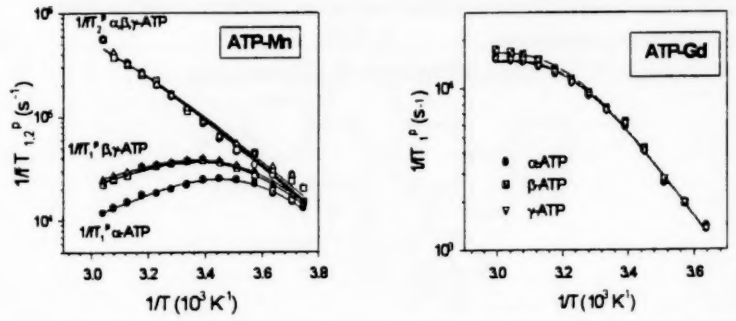

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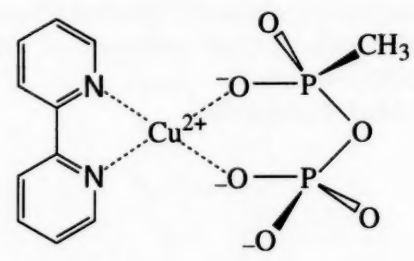

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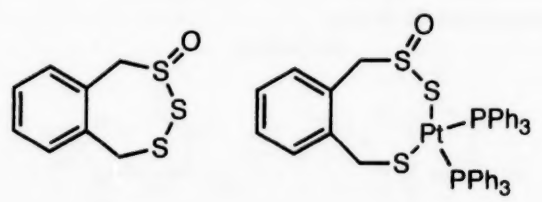

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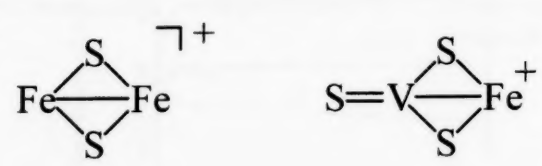

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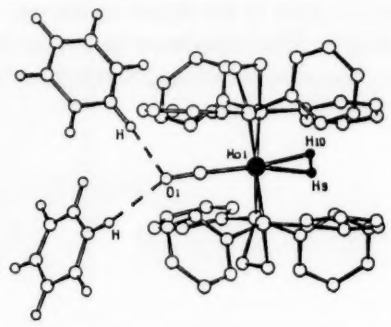

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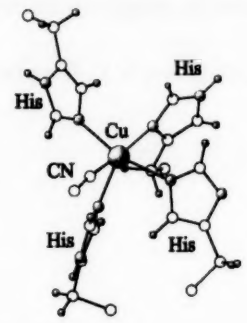

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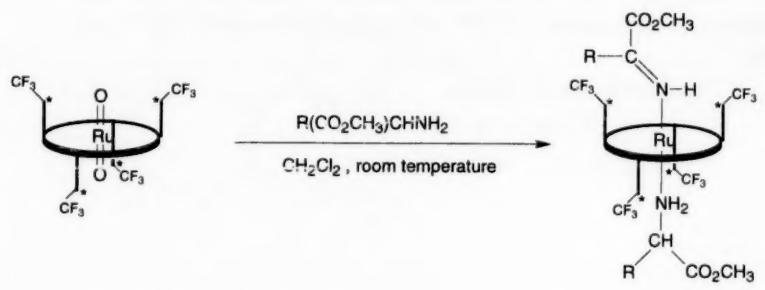

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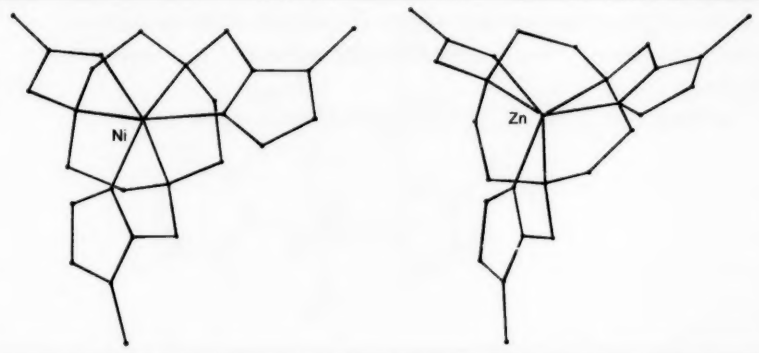

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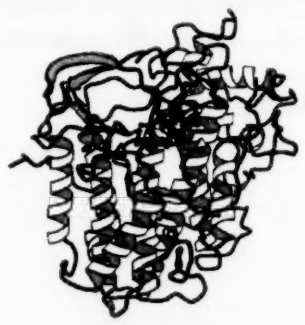

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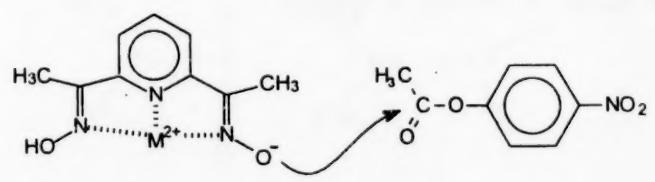

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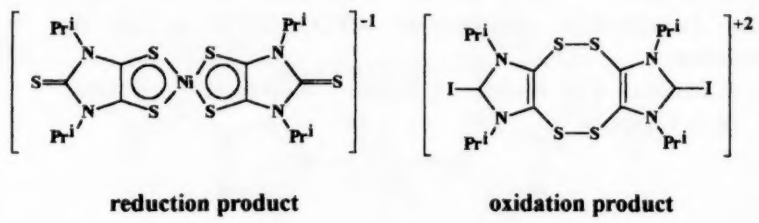

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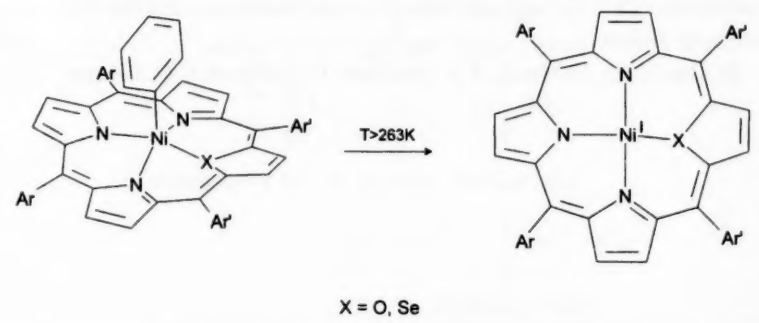

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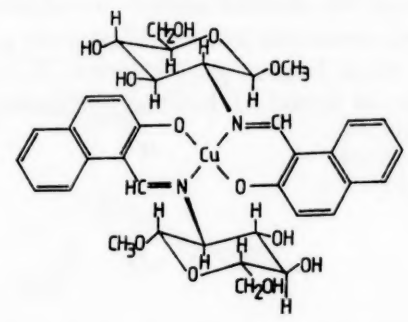

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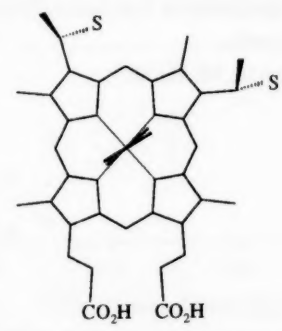

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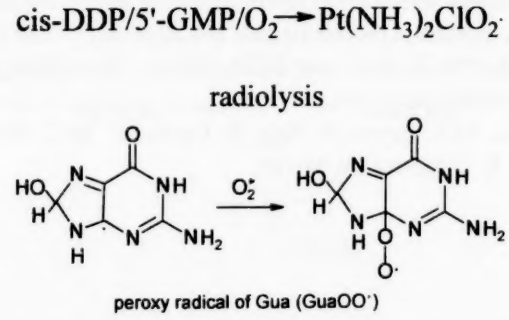

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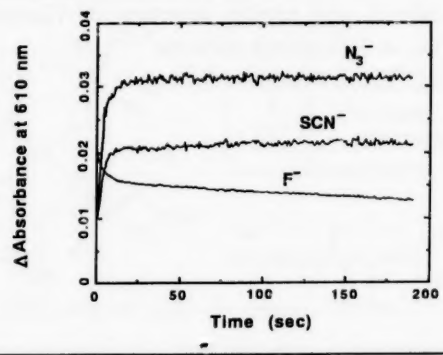
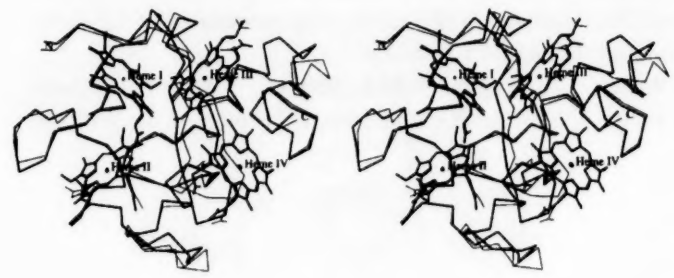
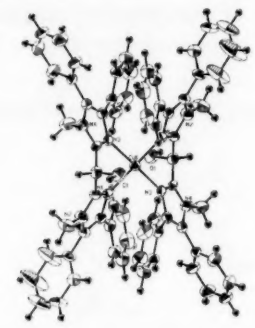
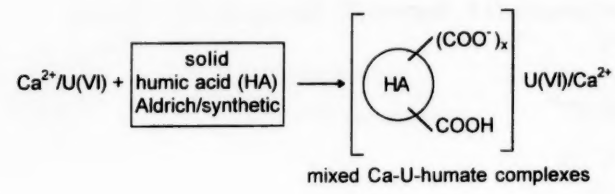
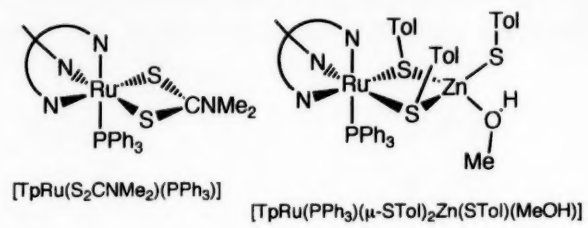
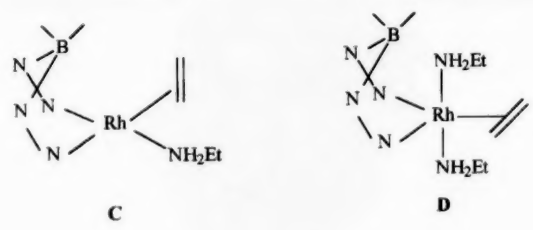
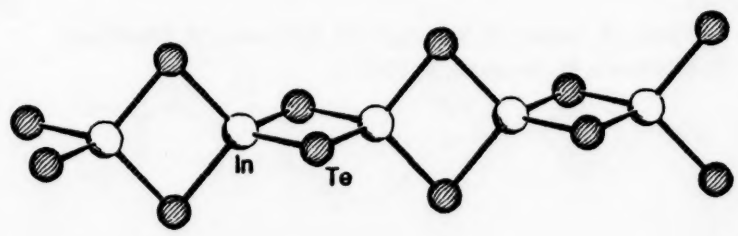


Refinement of the three-dimensional structures of cytochrome c_3 from *Desulfovibrio vulgaris* Hildenborough at 1.67 Å resolution and from *Desulfovibrio desulfuricans* ATCC 27774 at 1.6 Å resolution ..... P. Simões, P.M. Matias, J. Morais, K. Wilson, Z. Dauter, M.A. Carrondo	213	
A reversible Cu^{II}/Cu^{I} electron transfer centre based on a flexible di-imidazole ligand ..... R. Bhalla, M. Helliwell, R.L. Beddoes, D. Collison, C.D. Garner	225	
Electron spectroscopy for chemical analysis investigation of the interaction of uranyl and calcium ions with humic acids..... V.I. Nefedov, Yu.A. Teterin, A.M. Lebedev, A.Yu. Teterin, A.P. Dementjev, M. Bubner, T. Reich, S. Pompe, K.H. Heise, H. Nitsche	234	
Syntheses of ruthenium hydridotris(1-pyrazoryl)borate complexes having sulfur-donor coligands..... Y. Mizobe, M. Hosomizu, M. Hidai	238	
Synthesis and characterisation of rhodium(I) complexes containing the dihydrobis(pyrazolyl)borate ligands $[H_2B(pz')_2]^-$. The X-ray structures of $Bp^*Rh(C_2H_4)_2$ and $BpRh(PPh_3)_2$ ($Bp = H_2B(pz)_2$; $Bp^* = H_2B(3,5\text{-}Me_2\text{-}pz)_2$ ..... M.J. Baena, M.L. Reyes, L. Rey, E. Carmona, M.C. Nicasio, P.J. Pérez, E. Gutiérrez, A. Monge	244	
Solvothermal synthesis and crystal structure of [La(ethylene-diamine)$_4$Cl]In_2Te_4: A 1-D indium telluride ..... Z. Chen, J. Li, F. Chen, D.M. Proserpio	255	

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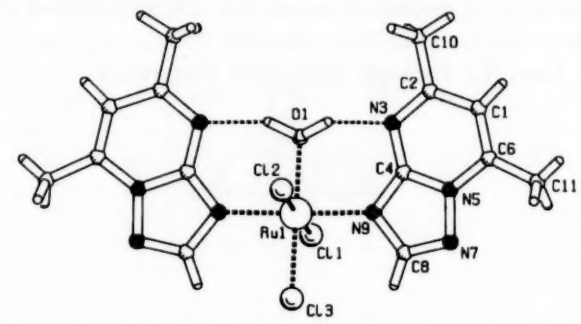

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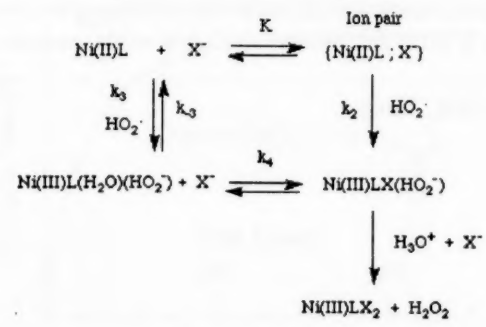

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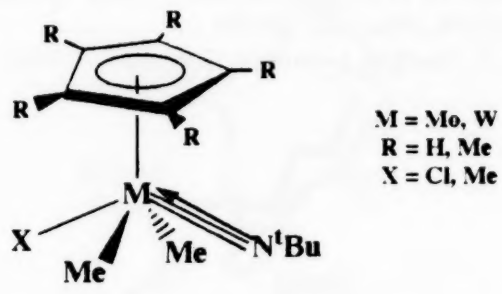

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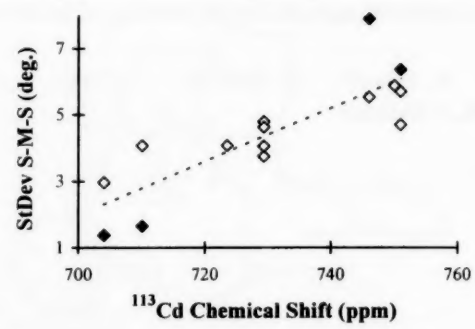

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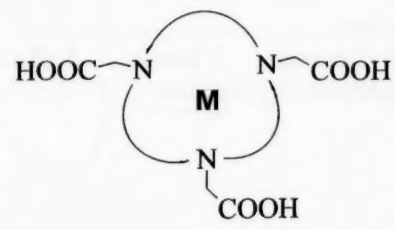

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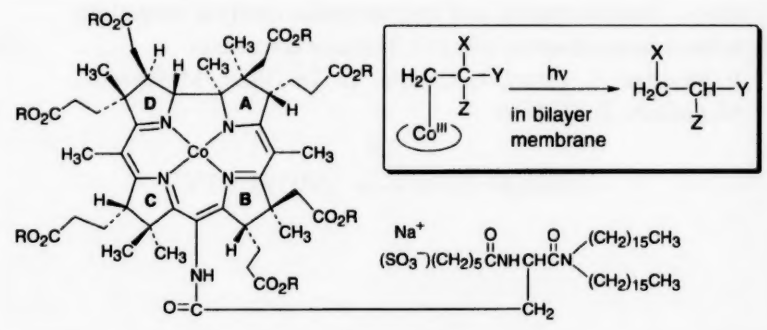
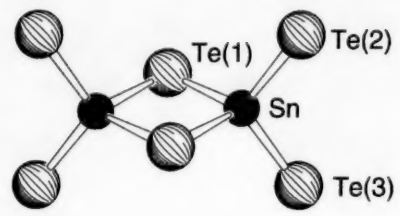
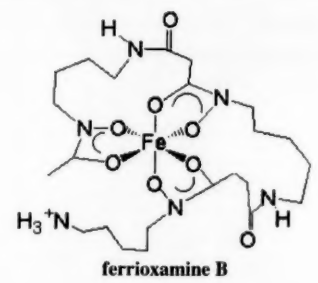
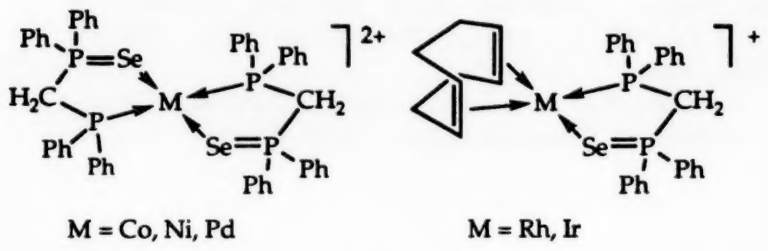
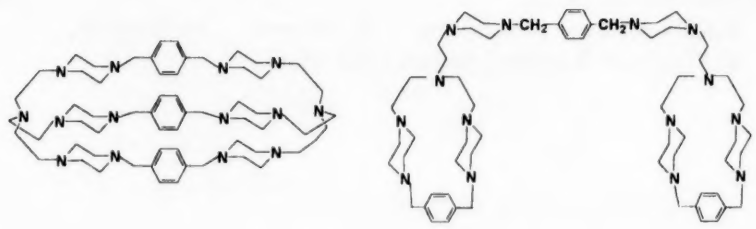
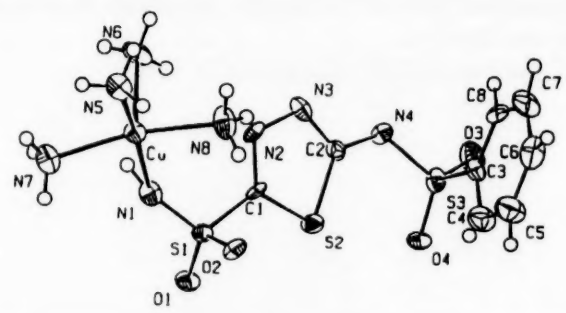
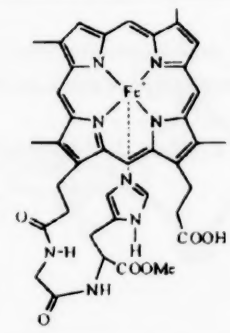
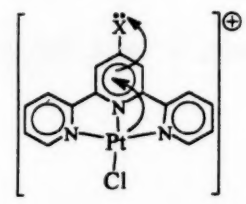
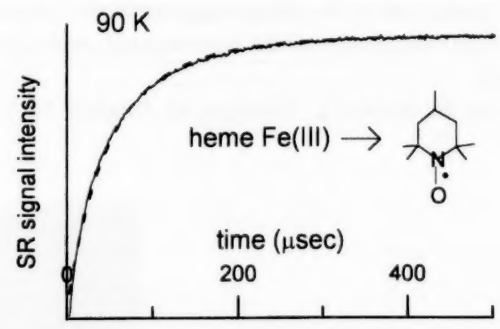
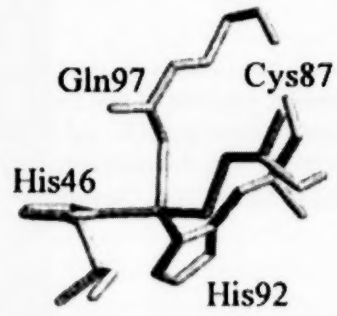
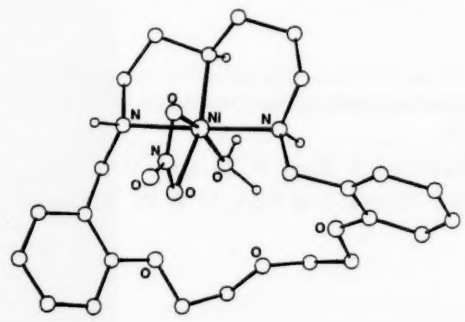
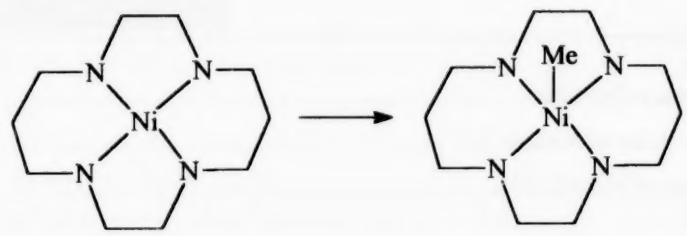
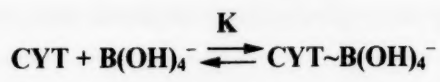


Synthesis, structure characterization and magnetic properties of tellurostannates $[M(en)_3]_2(Sn_2Te_6)$ (M = Mn, Zn) ..... 310 J. Li, Z. Chen, T.J. Emge, T. Yuen, D.M. Proserpio	
Application of the electrocatalytic reduction of nitric oxide mediated by ferrioxamine B to the determination of nitric oxide concentrations in solution ..... 316 S.R. Smith, H.H. Thorp	
Metal complexes of $P(Ph_2)CH_2(Ph_2)PSe$. Crystal structure of $[Ni\{P(Ph_2)CH_2(Ph_2)PSe\}_2]Cl_2 \cdot 2EtOH$ ..... 320 D. Cauzzi, C. Graiff, M. Lanfranchi, G. Predieri, A. Tiripicchio	
A large cavity reinforced cryptand for the binding of metal cations and anions ..... 326 A. Bencini, A. Bianchi, S. Brazzini, V. Fusi, C. Giorgi, P. Paoletti, B. Valtancoli	
Copper complexes modelling the interaction between benzolamide and Cu-substituted carbonic anhydrase. Crystal structure of $Cu(bz)(NH_3)_4$ complex ..... 334 G. Alzuet, J. Casanova, J. Borrás, S. García-Granda, A. Gutiérrez-Rodríguez, C.T. Supuran	
Synthesis, characterization and stereoselective catalytic oxidations of chelated deuterohaemin-glycyl-L-histidine complexes ..... 339 E. Monzani, L. Linati, L. Casella, L. De Gioia, M. Favretto, M. Gullotti, F. Chillemi	

Remarkable substituent effects on the photophysics of Pt(4′-X-trpy)Cl^+ systems (trpy = 2′,2′; 6′,2″-terpyridine) ..... 346 D.K. Crites, C.T. Cunningham, D.R. McMillin	
Interspin distances determined by time domain EPR of spin-labeled high-spin methemoglobin ..... 354 M. Seiter, V. Budker, J.-L. Du, G.R. Eaton, S.S. Eaton	
Probing the metal site in *Rhus vernicifera* stellacyanin by Ni(II) substitution and paramagnetic NMR spectroscopy..... 367 C.O. Fernández, A.I. Sannazzaro, L.E. Díaz, A.J. Vila	
Macrocyclic ligand design: structure–function relationships involving the interaction of cobalt(II), nickel(II) and copper(II) with mixed donor macrocyclic ligands ..... 372 C.A. Davis, P.A. Duckworth, A.J. Leong, L.F. Lindoy, A. Bashall, M. McPartlin	
A theoretical study of the methyl ligation in tetraaza macrocycle nickel complexes which model the acetyl-CoA synthase active site ..... 379 L. De Gioia, P. Fantucci	
^1H and ^{11}B NMR evidence for specific binding of borate ion to cytochrome *c* ..... 388 G. Taler, A. Schejter, G. Navon	

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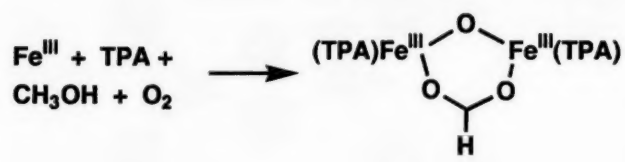

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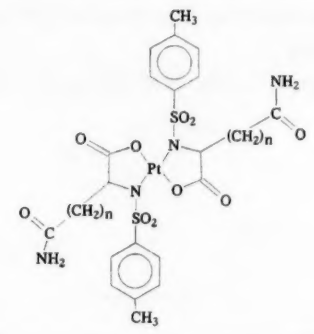

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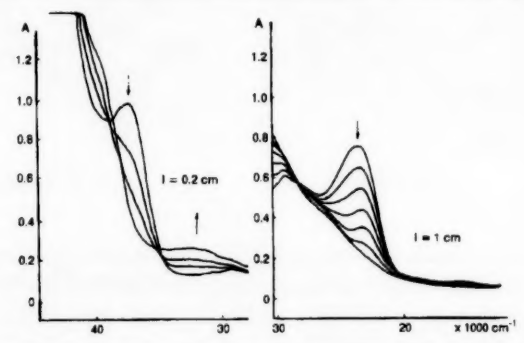

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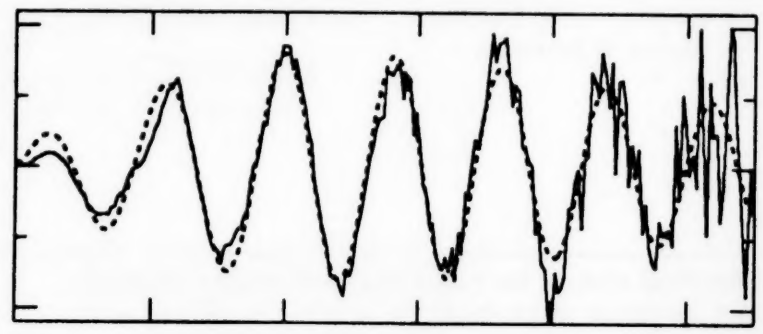

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